

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

**Applicants:** Simon Foote et al.

**Serial No.:** 09/424,629

**Filed:** March 13, 2000

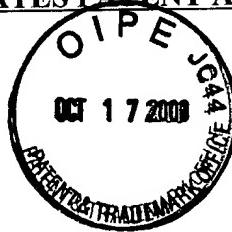
**For:** NUCLEIC ACID DIAGNOSTICS  
BASED ON MASS SPECTROMETRY OR MASS  
SEPARATION AND BASE SPECIFIC CLEAVAGE

**Examiner:** Unassigned

**Art Unit:** Unassigned

**Docket:** 13203

**Dated:** October 12, 2000



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Assistant Commissioner for Patents  
Washington, DC 20231

INFORMATION DISCLOSURE STATEMENT

Sir:

In accordance with 37 C.F.R. §§1.97 AND 1.98, it is requested that the following references, which are also listed on the attached PTO-1449, be made of record in the above-identified case.

1. *Richard G. H. Cotton, et al. (1988), "Reactivity of cytosine and thymine in single-base-pair mismatches with hydroxylamine and osmium tetroxide and its application to the study of mutations", Proceedings of the National Academy of Sciences of the U.S.A., 85: 4397-4401;*

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CERTIFICATE OF MAILING UNDER C.F.R. §1.8(a)

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231 on October 12, 2000.

Dated: October 12, 2000

  
Mishelle Mustafa

2. *M. Hattori, et al.,* (1993), "Orphan Peak Analysis: A Novel Method for Detection of Point Mutations Using an Automated Fluorescence DNA Sequencer", Genomics, 15: 415-417;
3. *R.J. Lipshutz, et al.,* (1995), "Using Oligonucleotide Probe Arrays to Assess Genetic Diversity", BioTechniques, 19: 442-447;
4. *Yan-Hui Liu, et al.,* (1995), "Rapid Screening of Genetic Polymorphisms Using Buccal Cell DNA with Detection by Matrix-assisted Laser Desorption/Ionization Mass Spectrometry", Rapid Communications in Mass Spectrometry, 9: 735-743;
5. E. Nordhoff, et al. (1992), "Matrix-assisted Laser Desorption/Ionization Mass Spectrometry of Nucleic Acids with Wavelengths in the Ultraviolet and Infrared", Rapid Communications in Mass Spectrometry, 6: 771-776;
6. M. Orita, et al. (1989), "Detection of polymorphisms of human DNA by gel electrophoresis as single-strand conformation polymorphisms", Proceedings of the National Academy of Sciences of the U.S.A., 86: 2766-2770;
7. *S.C. Pomerantz, et al.* (1993), "Determination of Oligonucleotide Composition from Mass Spectrometrically Measured Molecular Weight", American Society for Mass Spectrometry, 4: 204-209; and
8. Alexander Kamb (1999), "Mass Spectrometry to Assess DNA Sequence Polymorphisms", U.S. Patent No. 5,869,242, patented Feb. 9, 1999.

Applicants are submitting copies of the above-identified references. All of the references are in English, therefore, no translations are required.

Inasmuch as this Information Disclosure Statement is being submitted in accordance with the schedule set out in 37 C.F.R. §1.97(b), no petition, certification or fee is required.

Consideration of this Information Disclosure Statement is respectfully requested.



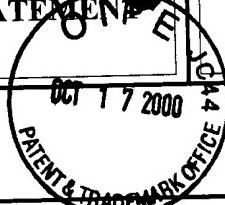
Respectfully submitted,  
  
Frank S. DiGiglio  
Registration No. 31,346

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**TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT**  
(Under 37 CFR 1.97(b) or 1.97(c))

Docket No.  
13203

In Re Application Of: Simon Foote et al.



Serial No.  
09/424,629

Filing Date  
March 13, 2000

Examiner  
Unassigned

Group Art Unit  
Unassigned

Title: NUCLEIC ACID DIAGNOSTICS BASED ON MASS SPECTROMETRY OR MASS  
SEPARATION AND BASE SPECIFIC CLEAVAGE

Address to:  
Assistant Commissioner for Patents  
Washington, D.C. 20231

**37 CFR 1.97(b)**

1.  The Information Disclosure Statement submitted herewith is being filed within three months of the filing of a national application; within three months of the date of entry of the national stage as set forth in 37 CFR 1.491 in an international application; or before the mailing date of a first Office Action on the merits, whichever event occurs last.

**37 CFR 1.97(c)**

2.  The Information Disclosure Statement submitted herewith is being filed after three months of the filing of a national application, or the date of entry of the national stage as set forth in 37 CFR 1.491 in an international application; or after the mailing date of a first Office Action on the merits, whichever occurred last but before the mailing date of either:

1. a Final Action under 37 CFR 1.113, or
  2. a Notice of Allowance under 37 CFR 1.311,
- whichever occurs first.

Also submitted herewith is:

- a certification as specified in 37 CFR 1.97(e);

**OR**

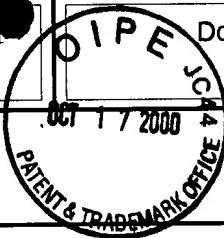
- the fee set forth in 37 CFR 1.17(p) for submission of an Information Disclosure Statement under 37 CFR 1.97(c).

**TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT**  
 (Under 37 CFR 1.97(b) or 1.97(c))

Docket No.

13203

In Re Application Of: Simon Foote et al.



Serial No.	Filing Date	Examiner	Group Art Unit
09/424,629	March 13, 2000	Unassigned	Unassigned

**Title: NUCLEIC ACID DIAGNOSTICS BASED ON MASS SPECTROMETRY OR MASS SEPARATION AND BASE SPECIFIC CLEAVAGE**

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**Payment of Fee**

(Only complete if Applicant elects to pay the fee set forth in 37 CFR 1.17(p))

- A check in the amount of \_\_\_\_\_ is attached.
- The Assistant Commissioner is hereby authorized to charge and credit Deposit Account No. 19-1013/SSMP as described below. A duplicate copy of this sheet is enclosed.
  - Charge the amount of \_\_\_\_\_
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I certify that this document and fee is being deposited on October 12, 2000 with the U.S. Postal Service as first class mail under 37 C.F.R. 1.8 and is addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231.

Signature of Person Mailing Correspondence

Mishelle Mustafa

Typed or Printed Name of Person Mailing Correspondence

\*This certificate may only be used if paying by deposit account.

Dated: October 12, 2000

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